

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) A termination system for joining and sealing the lower end of the leg of a secondary cyclone and the leg of a primary cyclone, comprising:

a cyclone separator leg which joins the lower end of the leg of the secondary cyclone and the leg of the primary cyclone to form a single primary and secondary cyclone leg complex where solids collected by both cyclones are combined, said separator leg terminating distally in a radius-curved single leg termination that is immersed in a fluidized bed of particles and devoid of movable sealing parts, wherein said collected and combined solids are discharged from said separator leg through said radius-curved single leg termination.

Claim 2. (canceled).

3. (Previously presented) A system according to claim 1, wherein the radius-curve of the single leg termination has a ratio of radius/diameter within the range from 1.0 to 3.0.

4. (Previously presented) A system according to claim 1, wherein said radius-curved single leg termination is constructed from a succession of straight tube sections in an arcuate array.

5. (Currently amended) A system according to claim 4, wherein ~~the total angle subtended by the succession of straight tube sections at the centre of curvature of the radius-curve~~ direct a descending mass flow of dense phase solids into a plane orthogonal to an ascending gaseous flow.

6. (Previously presented) A system according to claim 1, wherein, with respect to the centre line of an inlet to the radius-curved single leg termination, a junction of the leg of the primary cyclone and the leg of the secondary cyclone lies on the side opposite a distal end of the radius-curved termination and higher than the distal end by a distance in the range from 3.5 to 5.5 times a diameter of the leg of the primary cyclone.